

CLAIMS

1. A glow plug body (10) comprising a substantially circular cylindrical tubular portion at the end of which there is a cavity (100), characterized in that it has in its inner lateral wall a longitudinal groove.

5        2. A glow plug body (10) according to claim 1, characterized in that it comprises a gripping zone with six facets, of hexagonal cross-section, and in that the gripping zone has a longitudinal slot.

10        3. A glow plug body (10) according to claim 2, characterized in that the longitudinal slot extends across the entire width of a facet of the gripping zone.

15        4. A glow plug (1) comprising a tubular body within which is mounted a pressure sensor (90) adapted in particular to measure the internal pressure of a cylinder of an engine in which the glow plug (1) is accommodated the pressure sensor being provided with connecting tabs extending substantially longitudinally with respect to the axis of the tubular body, characterized in that the body (10) is a body according to claim 1, and that at least one connecting tab fits in said longitudinal groove.

20        5. A glow plug (1) according to claim 4, characterized in that the groove pierces through, so forming a longitudinal slot in the tubular body (10).

25        6. A glow plug (1) according to claim 5, characterized in that the body (10) has adjacent to the pressure sensor an outer cylindrical surface of hexagonal cross-section thereby forming a surface with six facets, and in that the slot opens entirely in one facet of the outer surface of the body (10).

30        7. A glow plug (1) according to claim 6, characterized in that the width of the slot corresponds to the width of a facet of the body (10).

25        8. A glow plug (1) according to one of claims 4 to 7, characterized in that the sensor (90) is a piezoelectric sensor comprising a piezoelectric member (74) arranged between two contact members (72, 76).

30        9. A glow plug (1) according to claim 8, characterized in that the connecting tabs (72a, 76a) each form only a single part of bent form together with a contact member (72, 76) of the sensor (90).

35        10. An internal combustion engine comprising at least one cylinder and one glow plug (1), characterized in that the glow plug is a glow plug according to one of claims 4 to 9.